

**EAST Search History****EAST Search History (Prior Art)**

| Ref # | Hits  | Search Query   | DBs                            | Default Operator | Plurals | Time Stamp          |
|-------|-------|--|--------------------------------|------------------|---------|---------------------|
| L3    | 15104 | (water adj absor\$).ti.  | US-PGPUB;<br>USPAT;<br>DERWENT | AND              | ON      | 2010/05/12<br>10:48 |
| L4    | 948   | (water adj absor\$).ti. and<br>(particle with diameter)                    | US-PGPUB;<br>USPAT;<br>DERWENT | AND              | ON      | 2010/05/12<br>10:49 |
| L5    | 124   | (water adj absor\$).ti. and<br>(particle with diameter)<br>and CRC         | US-PGPUB;<br>USPAT;<br>DERWENT | AND              | ON      | 2010/05/12<br>10:49 |
| L6    | 70    | (water adj absor\$).ti. and<br>(particle with diameter)<br>and CRC and AAP | US-PGPUB;<br>USPAT;<br>DERWENT | AND              | ON      | 2010/05/12<br>10:49 |
| S1    | 1     | ("20070123658").PN.  | US-PGPUB;<br>USPAT; USOCR      | OR               | OFF     | 2009/02/26<br>13:24 |
| S2    | 21    | ((KAZUSHI) near2<br>(TORII)).INV.  | US-PGPUB;<br>USPAT             | AND              | ON      | 2009/02/26<br>13:41 |
| S3    | 17    | ((HIROFUMI) near2<br>(SHIBATA)).INV.                                       | US-PGPUB;<br>USPAT             | AND              | ON      | 2009/02/26<br>13:41 |
| S4    | 13    | ((TAKU) near2<br>(IWAMURA)).INV.   | US-PGPUB;<br>USPAT             | AND              | ON      | 2009/02/26<br>13:41 |
| S5    | 71    | ((YOSHIO) near2 (IRIE)).<br>INV.   | US-PGPUB;<br>USPAT             | AND              | ON      | 2009/02/26<br>13:41 |
| S6    | 51    | ((YORIMICHI) near2<br>(DAI ROKU)).INV.                                     | US-PGPUB;<br>USPAT             | AND              | ON      | 2009/02/26<br>13:41 |
| S7    | 10    | ((YOSHIRO) near2<br>(MITSUKAMI)).INV.                                      | US-PGPUB;<br>USPAT             | AND              | ON      | 2009/02/26<br>13:41 |
| S8    | 8     | ((SAYAKA) near2<br>(MACHIDA)).INV.   | US-PGPUB;<br>USPAT             | AND              | ON      | 2009/02/26<br>13:41 |
| S9    | 136   | S2 or S3 or S4 or S5 or S6<br>or S7 or S8                                  | US-PGPUB;<br>USPAT             | AND              | ON      | 2009/02/26<br>13:42 |
| S10   | 1328  | (nippon adj shokubai).as.  | US-PGPUB;<br>USPAT             | AND              | ON      | 2009/02/26<br>13:42 |
| S11   | 1392  | S9 or S10  | US-PGPUB;<br>USPAT             | AND              | ON      | 2009/02/26<br>13:43 |
| S12   | 342   | S11 and absorbent  | US-PGPUB;<br>USPAT             | AND              | ON      | 2009/02/26<br>13:43 |
| S13   | 172   | S11 and absorbent.ab.  | US-PGPUB;<br>USPAT             | AND              | ON      | 2009/02/26<br>13:43 |
| S14   | 85    | S9 and absorbent.ab.   | US-PGPUB;<br>USPAT             | AND              | ON      | 2009/02/26<br>13:43 |

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|-----|-----|---|-----------------|-----|----|------------------|
| S15 | 118 | S11 and (water adj absorbent).ab.   | US-PGPUB; USPAT | AND | ON | 2009/02/26 13:44 |
| S16 | 116 | S11 and (water adj absorbent).ab. and diameter  | US-PGPUB; USPAT | AND | ON | 2009/02/26 13:44 |
| S17 | 85  | S11 and (water adj absorbent).ab. and diameter and distribution   | US-PGPUB; USPAT | AND | ON | 2009/02/26 13:44 |
| S18 | 68  | S11 and (water adj absorbent).ab. and diameter and distribution and saline  | US-PGPUB; USPAT | AND | ON | 2009/02/26 13:44 |
| S19 | 68  | S11 and (water adj absorbent).ab. and diameter and distribution and saline and (surface same (crosslink\$4 or (cross adj link\$4)))   | US-PGPUB; USPAT | AND | ON | 2009/02/26 13:45 |
| S20 | 17  | ("20020128618"   "20020165288"   "20020169252"   "20020193492"   "20030207997"   "20040071966"   "20050070071"   "20050221980"   "4771105"   "5185413"   "5801238"   "6335406"   "6403700"   "6433058"   "6448320"   "6605673"   "6620889").PN. | US-PGPUB; USPAT | AND | ON | 2009/02/26 13:46 |
| S21 | 33  | S11 and (water adj absorbent).ab. and diameter and distribution and saline and (surface same (crosslink\$4 or (cross adj link\$4))) and boiling   | US-PGPUB; USPAT | AND | ON | 2009/02/26 13:47 |
| S22 | 74  | (absorbency adj against adj pressure)   | US-PGPUB; USPAT | AND | ON | 2009/03/05 14:07 |
| S23 | 2   | (absorbency adj against adj pressure) and (particular adj absorbency)   | US-PGPUB; USPAT | AND | ON | 2009/03/05 14:07 |
| S24 | 46  | (absorbency adj against adj pressure) and (crc)   | US-PGPUB; USPAT | AND | ON | 2009/03/05 14:07 |
| S25 | 39  | (absorbency adj against adj pressure) and (crc) and (surface adj (crosslink \$4 or (cross adj link\$4)))  | US-PGPUB; USPAT | AND | ON | 2009/03/05 14:08 |

|     |       |   |                          |     |     |                  |
|-----|-------|---|--------------------------|-----|-----|------------------|
| S26 | 31    | (absorbency adj against adj pressure) and (crc) and (surface adj (crosslink \$4 or (cross adj link\$4))) and logarithmic                              | US-PGPUB; USPAT          | AND | ON  | 2009/03/05 15:32 |
| S27 | 20    | (absorbency adj against adj pressure) and (crc) and (surface adj (crosslink \$4 or (cross adj link\$4))) and (logarithmic adj standard)               | US-PGPUB; USPAT          | AND | ON  | 2009/03/05 15:32 |
| S28 | 20    | (absorbency adj against adj pressure) and (crc) and (surface adj (crosslink \$4 or (cross adj link\$4))) and (logarithmic adj standard adj deviation) | US-PGPUB; USPAT          | AND | ON  | 2009/03/05 15:32 |
| S29 | 30    | (absorbency adj against adj pressure) and (crc) and (surface adj (crosslink \$4 or (cross adj link\$4))) and (standard adj deviation)                 | US-PGPUB; USPAT          | AND | ON  | 2009/03/05 15:35 |
| S30 | 29    | (absorbency adj against adj pressure) and (crc) and (surface adj (crosslink \$4 or (cross adj link\$4))) and (particle adj size adj distribution)     | US-PGPUB; USPAT          | AND | ON  | 2009/03/05 15:38 |
| S31 | 2     | ((absorbency adj against adj pressure) near3 (deionized adj water))   | US-PGPUB; USPAT; DERWENT | AND | ON  | 2009/03/09 09:37 |
| S32 | 66369 | (particle adj size adj distribution)  | US-PGPUB; USPAT; DERWENT | AND | ON  | 2009/03/09 09:57 |
| S33 | 72    | (particle adj size adj distribution) and (CRC and AAP)  | US-PGPUB; USPAT; DERWENT | AND | ON  | 2009/03/09 09:58 |
| S34 | 26    | ((particle adj size adj distribution) same (standard deviation)) and (CRC and AAP)  | US-PGPUB; USPAT; DERWENT | AND | ON  | 2009/03/09 09:58 |
| S35 | 1     | ("20070078231").PN.   | US-PGPUB; USPAT; USOCR   | OR  | OFF | 2009/03/09 12:47 |
| S36 | 1     | ("20070207924").PN.   | US-PGPUB; USPAT; USOCR   | OR  | OFF | 2009/03/09 12:59 |
| S37 | 1     | ("20080139693").PN.   | US-PGPUB; USPAT; USOCR   | OR  | OFF | 2009/03/09 13:06 |
| S38 | 2272  | ((525/329.7) or (525/418) or (523/111) or (502/402)).COLS.  | US-PGPUB; USPAT; USOCR   | OR  | OFF | 2009/03/09 13:43 |

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|-----|-----|--|--------------------------|-----|-----|------------------|
| S39 | 108 | S38 and (water adj absorbent)  | US-PGPUB; USPAT          | AND | ON  | 2009/03/09 13:43 |
| S40 | 880 | S38 and (acrylic adj acid)   | US-PGPUB; USPAT          | AND | ON  | 2009/03/09 13:43 |
| S41 | 24  | S38 and (acrylic adj acid) and sfc   | US-PGPUB; USPAT          | AND | ON  | 2009/03/09 13:43 |
| S42 | 100 | (logarithmic adj standard adj deviation)   | US-PGPUB; USPAT; DERWENT | AND | ON  | 2009/10/21 10:52 |
| S43 | 89  | (logarithmic adj standard adj deviation) and (water)   | US-PGPUB; USPAT; DERWENT | AND | ON  | 2009/10/21 10:52 |
| S44 | 59  | (logarithmic adj standard adj deviation) and (water adj absorbent)   | US-PGPUB; USPAT; DERWENT | AND | ON  | 2009/10/21 10:53 |
| S45 | 59  | (logarithmic adj standard adj deviation) and (water adj absorbent) and particle  | US-PGPUB; USPAT; DERWENT | AND | ON  | 2009/10/21 10:53 |
| S46 | 34  | (logarithmic adj standard adj deviation) and (water adj absorbent) and particle and (surface same crosslink\$4)  | US-PGPUB; USPAT; DERWENT | AND | ON  | 2009/10/21 10:54 |
| S47 | 83  | (logarithmic adj standard adj deviation) and (water) and surface   | US-PGPUB; USPAT; DERWENT | AND | ON  | 2009/10/21 12:29 |
| S48 | 1   | ("6127454").PN.  | US-PGPUB; USPAT; USOCR   | OR  | OFF | 2009/10/21 12:35 |
| S49 | 12  | "926992"   | US-PGPUB; USPAT; DERWENT | AND | ON  | 2009/10/21 14:41 |
| S50 | 10  | (("20040106745") or ("4973632") or ("5026800") or ("5244735") or ("6087002") or ("20020127166") or ("20040042952") or ("5264495") or ("20020040095") or ("20010025093")).PN. | US-PGPUB; USPAT; USOCR   | OR  | OFF | 2010/05/03 12:53 |

**EAST Search History (Interference)**

| Ref # | Hits | Search Query  | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|---|------|------------------|---------|------------------|
| L2    | 35   | ((525/329.7) or (525/418) or (523/111) or (502/402) or (252/194)).CCLS. | UPAD | OR               | OFF     | 2010/05/12 10:47 |

**5/ 12/ 2010 10:49:52 AM**

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